

INFORMATION DISCLOSURE CITATION

Docket Number (Optional) MATS:027A

SERIAL NO.: 10/635,720

APPLICANT(s) KAWANO et al.

FILING DATE: 8/6/2003

Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
	A	US-5,537,482	7/96	Janning	381	198	
	B	US-4,283,647	8/81	Herr, et al.	310	154	
	C	US-5,710,474	1/98	Mulgrave	310	254	
	D	US-3,993,972	11/76	Barbrook	335	220	
	E	US-4,349,757	9/82	Bhate	310	15	
	F	US-4,429,240	1/84	Kishi	310	45	
	G	US-4,700,093	10/87	Negishi	310	89	
	H	US-4,990,806	2/91	Kikuchi et al.	310	49 A	
	I	US-5,808,381	9/98	Aoyama et al.	310	12	
	J	US-6,060,810	5/00	Lee et al.	310	254	
	K	US-6,222,286	4/01	Watanabe et al.	310	49 R	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINE R		DATE CONSIDERED	9/12/2005

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(Use several sheets if necessary)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
<i>[Signature]</i>	L	US-3,922,501	11/75	Yamamuro	179	115.5 R	
<i>[Signature]</i>	M	US-4,757,220	7/88	Pouillange	310	49 R	
<i>[Signature]</i>	N	US-5,440,183	8/95	Denne	310	12	
<i>[Signature]</i>	O	US-6,177,748 B1	1/01	Katcher	310	209	
<i>[Signature]</i>	P	US-6,191,517 B1	2/01	Radovsky	310	162	
<i>[Signature]</i>	Q	US-6,097,125	8/00	Park et al.	310	156	
<i>[Signature]</i>	R	US-5,357,587	10/94	Grodinsky et al.	381	199	
<i>[Signature]</i>	S	US-3,421,033	1/69	Hoffmeyer	310	172	
<i>[Signature]</i>	T	US-5,734,209	3/98	Hallidy	310	12	
<i>[Signature]</i>	U	US-6,251,514 B1	6/01	Lashmore et al.	428	328	
<i>[Signature]</i>	V	US-6,452,302 B1	9/02	Tajimi et al.	310	216	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED	<i>[Signature]</i> 9/2/2005

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	W	JP 11-187639(A)	7/99	JAPAN			Abstract	
	X	JP 10-323003(A)	12/98	JAPAN			Abstract	
	Y	JP 3-325651(A)	10/91	JAPAN			Abstract	
	Z	JP 2-57277	4/90	JAPAN			Abstract	
	AA	JP 10-285898(A)	10/98	JAPAN			Abstract	
	BB	JP 6-303755(A)	10/94	JAPAN			Abstract	
	CC	WO 97/13261	4/97	PCT				
	DD	JP 10-512437(A)	11/98	JAPAN				X
	EE	JP 11-220846	8/99	JAPAN				X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER			DATE CONSIDERED <i>John Jones</i> 9/2/2005

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet 1

of 12

Application Number	10/635,720
Filing Date	August 6, 2003
First Named Inventor	Shinichiro KAWANO et al.
Art Unit	2834
Examiner Name	Jones, Judson
Attorney Docket Number	MATS:027A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JJ	A	US 5,751,075	05-12-1998	KWON et al.	310/12
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ² Number ³ Kind Code ⁴ (if known)				
JJ	B	JP 62296758 A	12-24-1987	SEIKO EPSON	Abstract only	

Examiner
Signature

Judson Jones

Date
Considered

9/1/05

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PTO/SB/088 (08-03)

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Substitute for form 1449/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	Shinichiro KAWANO et
		Filing Date	August 6, 2003
		First Named Inventor	Shinichiro KAWANO et al.
		Art Unit	2834
		Examiner Name	Jones, Judson
Sheet 2	of 2	Attorney Docket Number	MATS:027A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C	Relevant portion of the Supplementary European Search Report	
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Examiner Signature		Date Considered	9/2/2005
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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